



Table 1: Codec Progression

| 1. H264 Main Profile, CABAC or | 0 |
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| THE VALUE COLUMN TWO IS NOT A COLUMN TO AN ADDRESS OF THE PARTY OF THE | |
| 2. H264 Main Profile, CABAC of | ff |

3. H264 Baseline Profile

4. MPEG4 Advanced Simple Profile, Half-pel

5. H263+,, Annex N, Annex O

6. H263 Baseline

Table 2: Destination Decoder Table

| Codec and Profile |
|---------------------------------------------------------|
| H264 Main Profile, CABAC On 1.65 |
| H264 Main Profile, CABAC Off 12.50 4.20 1.05 |
| H264 Baseline Profile 11.25 3.90 1.05 |
| MPEG4 Advanced Simple Profile, Half-pel 11.85 5.25 3.30 |
| H263+, Annex N, Annex O 5.55 1.80 0.60 |
| H263 Baseline 5.55 1.80 0.60 |

Table 3: Local Encoder Table

| Codec and Profile | 640x480 320x240 160x120 |
|-----------------------------------------|-------------------------|
| H264 Main Profile, CABAC On | 69.15 18.00 4.95 |
| H264 Main Profile, CABAG Off | 66.15 16.40 4.35 |
| H264 Baseline Profile | 39.45 9.75 2.55 |
| MPEG4 Advanced Simple Profile, Half-pel | 32.55 29.90 3,00 |
| H263+, Annex N, Annex O | 50.85 11.40 2.40 |
| H263 Baseline | 50.85 11.40 2.40 |

Table 4: Destination Rendering Table

| | 320x240 160x120 |
|-----------------------------------|-----------------|
| Hardware YUV Overlay Present 16.0 | 4.00 4.00 |
| Overlay not Present 128 (| 00 32:00 8:00 |

FIGURE 3

FIGURE 4

Tier 1 – Mid to High Level Machines Highest Quality Video Settings for Machines > 800 MHz

| Video Bitrate (kbps) | 176 |
|----------------------|---------|
| PB Frames Mode | IPP |
| Keyframe Frequency | 20 |
| Adaptive Framerate | Off |
| Maria Danalaskina | 160 **1 |

Encode Resolution 160 x120
Frame Rate 24
Image IQ Scaling 4x mode
Playback Resolution 320 x 240

Tier 2 – Mid-Level Machines – High Quality Video – (occasional dropped frames) Settings for Machines 500 to 800 MHz.

| Video Bitrate (kbps) | 176 |
|----------------------|-----|
| PB Frames Mode | IPP |
| Keyframe Frequency | 20 |
| Adaptive Framerate* | On |

Encode Resolution160 x120Frame Rate24Image IQ Scaling4x ModePlayback Resolution320 x 240

Tier 3 – Value Machines – Good Quality Video – (lower frame rate) Settings for machines (300 to 500 MHz)

| Video Bitrate (kbps) | 176 |
|----------------------|-----|
| PB Frames Mode | IPP |
| Keyframe Frequency | 20 |
| Adaptive Framerate | On |

Encode Resolution 160 x120

Frame Rate* 15

Image IQ Scaling* 1x Mode (off)

Playback Resolution 160 x 120

Tier 4 – Sub-Par Machines – Best Effort Video Quality – (frames may be dropped often)
Settings for machines (300 MHz and less)

| Video Bitrate (kbps) | 176 |
|----------------------|-----|
| PB Frames Mode | IPP |
| Keyframe Frequency | 20 |
| Adaptive Framerate | On |

Encode Resolution 160 x120

Frame Rate* 10

Image IQ Scaling* 1x Mode (off)

Playback Resolution 160 x 120